## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	2135		US-PGPUB; USPAT	ADJ	ON	2012/07/16 08:33
L6	83	L5 and (random access with channel or RACH) and (SIMO or beam\$4 with steer\$ or beam-steer\$ or mimo) same (rate or spatial or antennas or output)	US-PGPUB; USP <b>A</b> T	ADJ	ON	2012/07/16 08:33
L7	3	pilot same channel with estimat\$4 and (random access with channel or RACH) same (SIMO or beam\$4 with steer\$ or beam-steer\$) and @ad<="20031030"	US-PGPUB; USP <b>A</b> T	ADJ	ON	2012/07/16 08:33
L8	28	pilot same channel with estimat\$4 and (random access with channel or RACH) and (SIMO or beam\$4 with steer\$ or beam-steer\$) and @ad<="20031030"	US-PGPUB; USP <b>A</b> T	ADJ	ON	2012/07/16 08:33
L9	2	("20030119452"   "7480278").PN.	US-PGPUB; USPAT	OR	ON	2012/07/16 08:34
	126	("20030119452"   "7480278").PN. or ("20020018310"   "20020018453"   "20020041632"   "20020080735"   "20020057659"   "20020085641"   "20020098872"   "20020105928"   "20020115473"   "20020122381"   "20020147953"   "20020181390"   "20020183010"   "20020196842"   "20030002450"   "20030048856"   "20030078024"   "20030095197"   "20030099306"   "20030139194"   "20030153360"   "20030157954"   "20030162519"   "2003026558"   "20030162519"   "2003026558"   "20030235149"   "20030235255"   "20040179627"   "20040198276"   "20050047384"   "20050111599"   "20070177681"   "5232918"   "5241544"   "5295159"   "5471647"   "5606729"   "5867478"   "5886988"   "6084915"   "6131016"   "6141567"   "6167031"   "6178196"   "6266528"   "6278726"   "6339399"   "6346910"   "6348036"   "6377812"   "6385264"   "6452981"   "6473467"   "6532562"   "6574211"   "6574271"   "6594798"   "6608874"   "6611231"   "6615024"   "6668161"   "6683916"   "6690660"   "6738020"   "6751187"   "6751444"   "6751480"   "6760388"   "6771706"   "6785341"   "6788948"   "6795424"   "6802035"	US-PGPUB; USPAT	OR	ON	2012/07/16

		"6850498"   "6859503"   "6873651"   "6879578"   "6885708"   "6888809"   "6937592"   "6963742"   "6965762"   "6985434"   "0654590"   "7031671"   "7062294"   "7072381"   "7072410"   "7072413"   "7088671"   "7099377"   "7110378"   "7110463"   "7113499"   "7149254"   "7155171"   "7187646"   "7197084"   "7200404"   "7206354"   "7218684"   "7224704"   "7231184"   "7233625"   "7248638"   "7254171"   "7263119"   "7280625"   "7289570"   "7298778"   "7317750"   "7342912"   "7386076"   "7403748"   "7421039"   "7606296").PN.				
L11	46	("20010046205"   "20020003774"   "20020064214"   "20020184453"   "20020191535"   "20030012308"   "20030128656"   "20040071104"   "20040136349"   "20040160987"   "20050120097"   "20080285670"   "5818813"   "5973638"   "6097771"   "5818813"   "5973638"   "6317612"   "6345036"   "6492942"   "6545997"   "6597682"   "6728233"   "6990059"   "6992972"   "7009931"   "7068628"   "7492737"   "7623871").PN. or ("20020072336"   "20020127978"   "20040052228"   "20080285488"   "20100260060"   "5832387"   "6163296"   "6862440"   "6987819"   "7012978"   "686573"   "7653415").PN.	US-PGPUB; USPAT	OR	ON	2012/07/16 08:34
L12	91	("20010017881"   "20030045288"   "20030076812"   "20040005887"   "20040071107"   "20050099974"   "20060072649"   "20060153237"   "20070086536"   "20070274278"   "4736371"   "5493712"   "66275543"   "6515617"   "6574267"   "6636496"   "6757263"   "6804191"   "6850252"   "6952454"   "7194237"   "7356089"   "7603141"   "7653142").PN. or ("20020027951"   "20020044610"   "20020075830"   "20030003863"   "20030039317"   "20030185311"   "20040076224"   "20040120411"   "20040151108"   "20040151122"   "20040184398"   "20040252632"   "20050047515"   "20050135284"   "20050135295"   "20050135284"   "20050147177"   "20050185575"   "2005020211"   "20050276343"   "20060018395"   "20060067417"   "20060159120"   "20060069015"   "20080267098"   "20080069015"   "20100067401"   "20100119001"   "5479447"   "5790550"   "5822374"   "6072779"   "6122247"   "6205410"   "6463290"   "6478422"   "6510184"   "6631121"   "6744811"   "6768727"	US-PGPUB; USPAT	OR	ON	2012/07/16 08:34

		"6798738"   "6821535"   "6891858"   "6927728"   "6959171"   "6980601"   "6985534"   "7003044"   "7006848"   "7039125"   "7058367"   "7127009"   "7130362"   "7137047"   "7184713"   "7191381"   "7274734"   "7333556"   "7356004"   "7379492"   "7508748"   "7599443").PN.				
L13	3	("20020062472"   "20060104340"   "6369758").PN.	US-PGPUB; USPAT	OR	ON	2012/07/16 08:34
L14	12	pilot same channel with estimat\$4 and (random access with channel or RACH) and (SIMO or beam\$4 with steer\$ or beam- steer\$) and ( L9 or L10 or L11 or L12 or L13)	US-PGPUB; USPAT	ADJ	ON	2012/07/16 08:34
L15	2	pilot same channel with estimat\$4 and (random access with channel or RACH) and (SIMO or beam\$4 with steer\$ or beamsteer\$) and 370/310.ccls.	US-PGPUB; USPAT	ADJ	ON	2012/07/16 08:35
L16	16	pilot same channel with estimat\$4 and (random access with channel or RACH) and (SIMO or beam\$4 with steer\$ or beamsteer\$) and 370/328,338,347.ccls.	US-PGPUB; USPAT	ADJ	ON	2012/07/16 08:35
L17	6	pilot same channel with estimat\$4 and (random access with channel or RACH) and (SIMO or beam\$4 with steer\$ or beamsteer\$) and 370/208-210.ccls.	US-PGPUB; USPAT	ADJ	ON	2012/07/16 08:35
L18	12	pilot same channel with estimat\$4 and (random access with channel or RACH) and (SIMO or beam\$4 with steer\$ or beamsteer\$) and 375/276,299,346-347.ccls.	US-PGPUB; USPAT	ADJ	ON	2012/07/16 08:36
L19	28	(l16 or l18)	US-PGPUB; USPAT	<b>A</b> DJ	ON	2012/07/16 08:36
L20	37	pilot same channel with estimat\$4 and (random access with channel or RACH) same (SIMO or beam\$4 with steer\$ or beam-steer\$)	US-PGPUB; USPAT	ADJ	ON	2012/07/16 08:37
L21	28	("20030103584"   "20040017785"   "20040081131"   "20060018247"   "20060039275"   "20060285605"   "20090129454"   "20100208841"   "20110235744"   "5859875"   "5883887"   "6067290"   "6711121"   "6842460"   "7002900"   "7042858"   "7054378"   "7076263"   "7095722"   "7221956"   "7280467"   "7466749"   "7606319"   "7885228"   "8134976"   "8145179"   "8169944"   "8170513").PN.	US-PGPUB; USPAT	ADJ	ON	2012/07/16 09:03
L22	3	(("20020034263") or ("20030155818") or ("20030076812")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/07/16 09:25
L23	0	122 and SIMO	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2012/07/16 09:26
L24	3 )		US-PGPUB; USPAT	ADJ	ON	2012/07/16 09:27

L25	51	251	US-PGPUB; USPAT	ADJ	ON	2012/07/16 09:28
L27	160	((J) near2 (WALTON)).INV.	USPAT; USOCR	<b>A</b> DJ	ON	2012/07/16 09:35
L28	346	((MARK) near2 (WALLACE)).INV.	US-PGPUB; USPAT	ADJ	ON	2012/07/16 09:35
L29	207	((JOHN) near2 (KETCHUM)).INV.	US-PGPUB; USPAT	<b>A</b> DJ	ON	2012/07/16 09:35
L30	417	((STEVEN) near2 (HOWARD)).INV.	US-PGPUB; USPAT	<b>A</b> DJ	ON	2012/07/16 09:35
L31	45	pilot same channel with estimat\$4 and (random access with channel or RACH) and ( L27 or L28 or L29 or L30)	US-PGPUB; USPAT	ADJ	ON	2012/07/16 09:35
L32	32	pilot same channel with estimat\$4 and (random access with channel or RACH) and (L27 or L28 or L29 or L30) and (SIMO or beam\$4 with steer\$ or beam\$4) and (MIMO or OFDM\$1)	US-PGPUB; USPAT	ADJ	ON	2012/07/16 09:36

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